

FIG. 1

FIG. 2: Example of MDSS data table

# kNN Logic, Part I

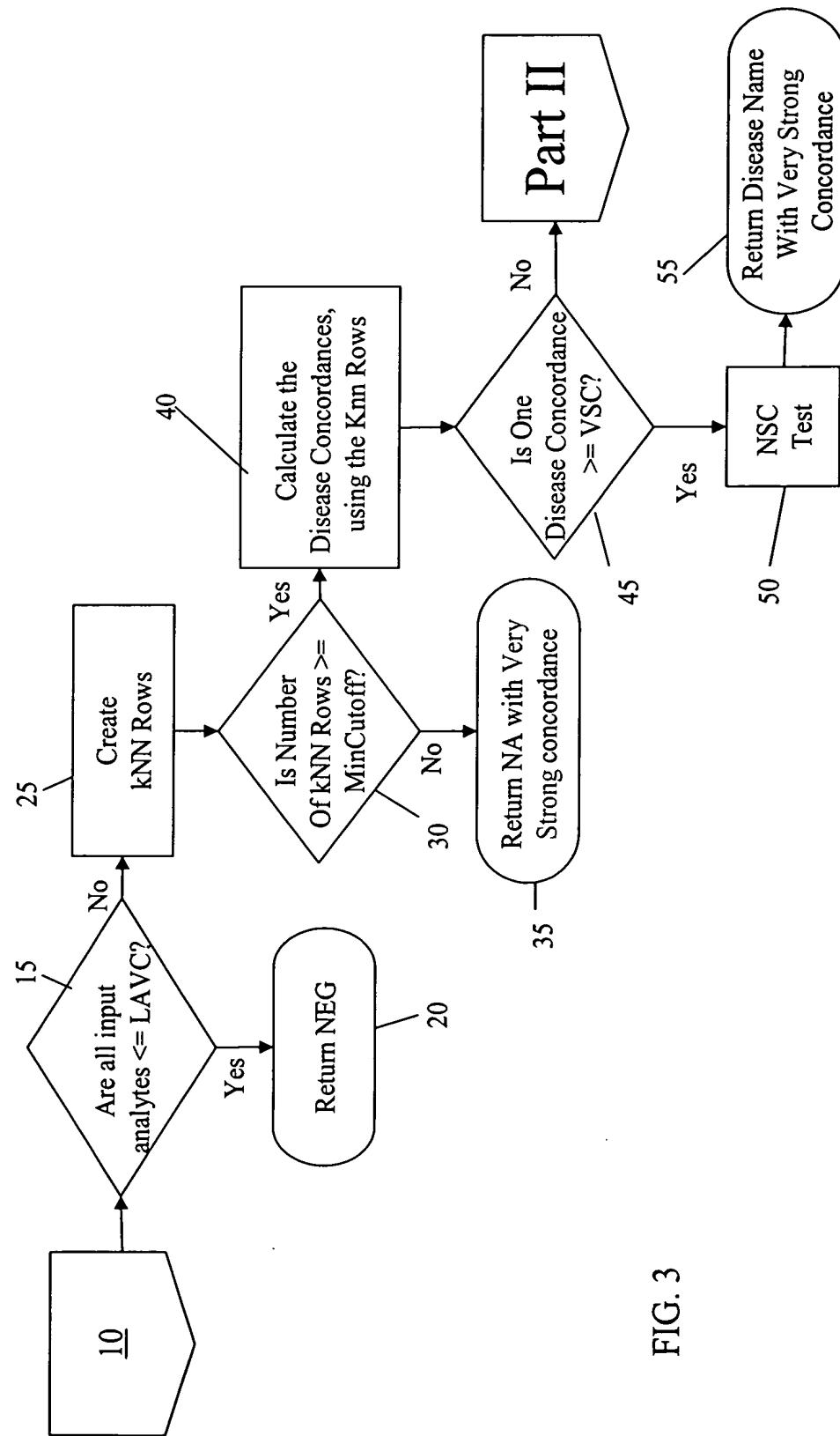


FIG. 3

## Part II

# kNN Logic, Part II

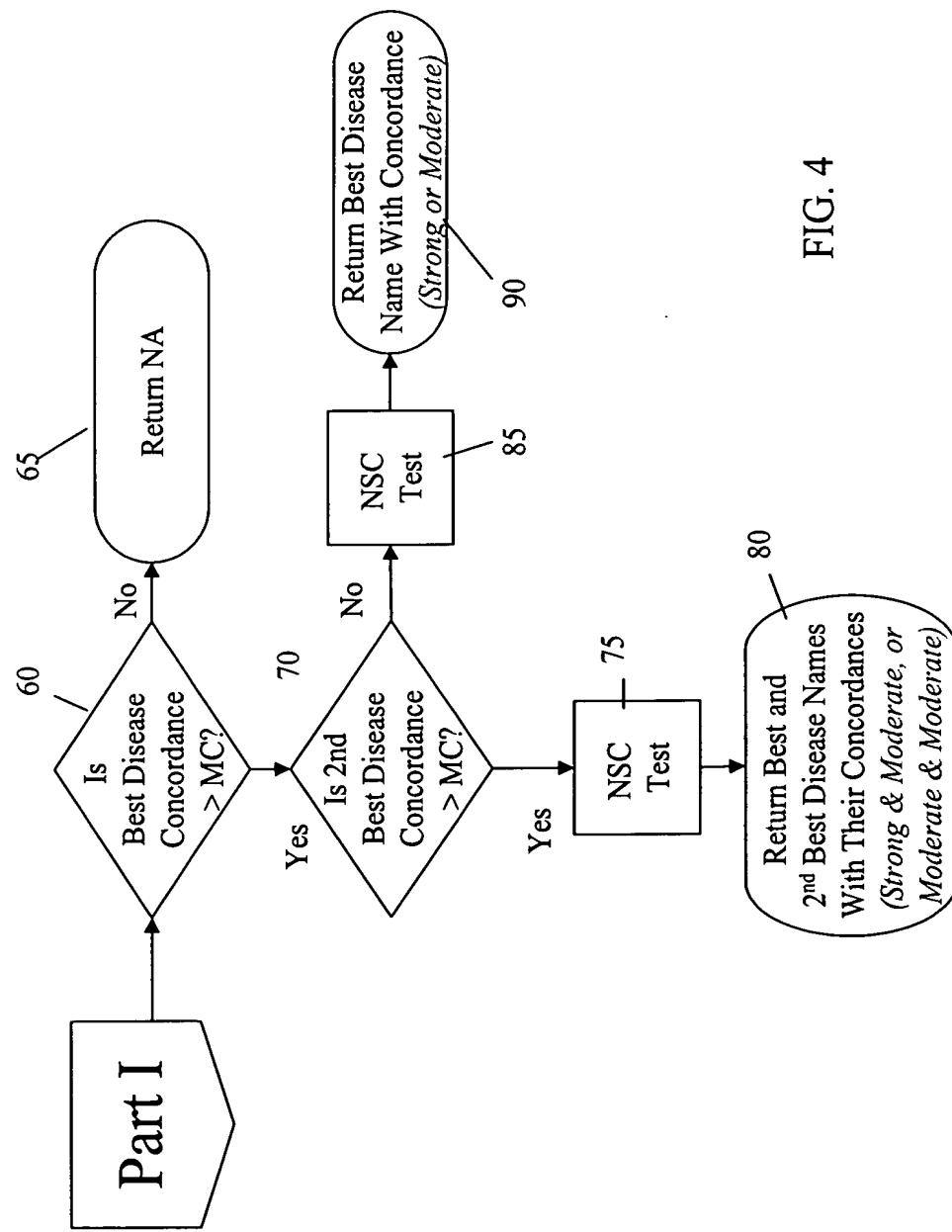


FIG. 4

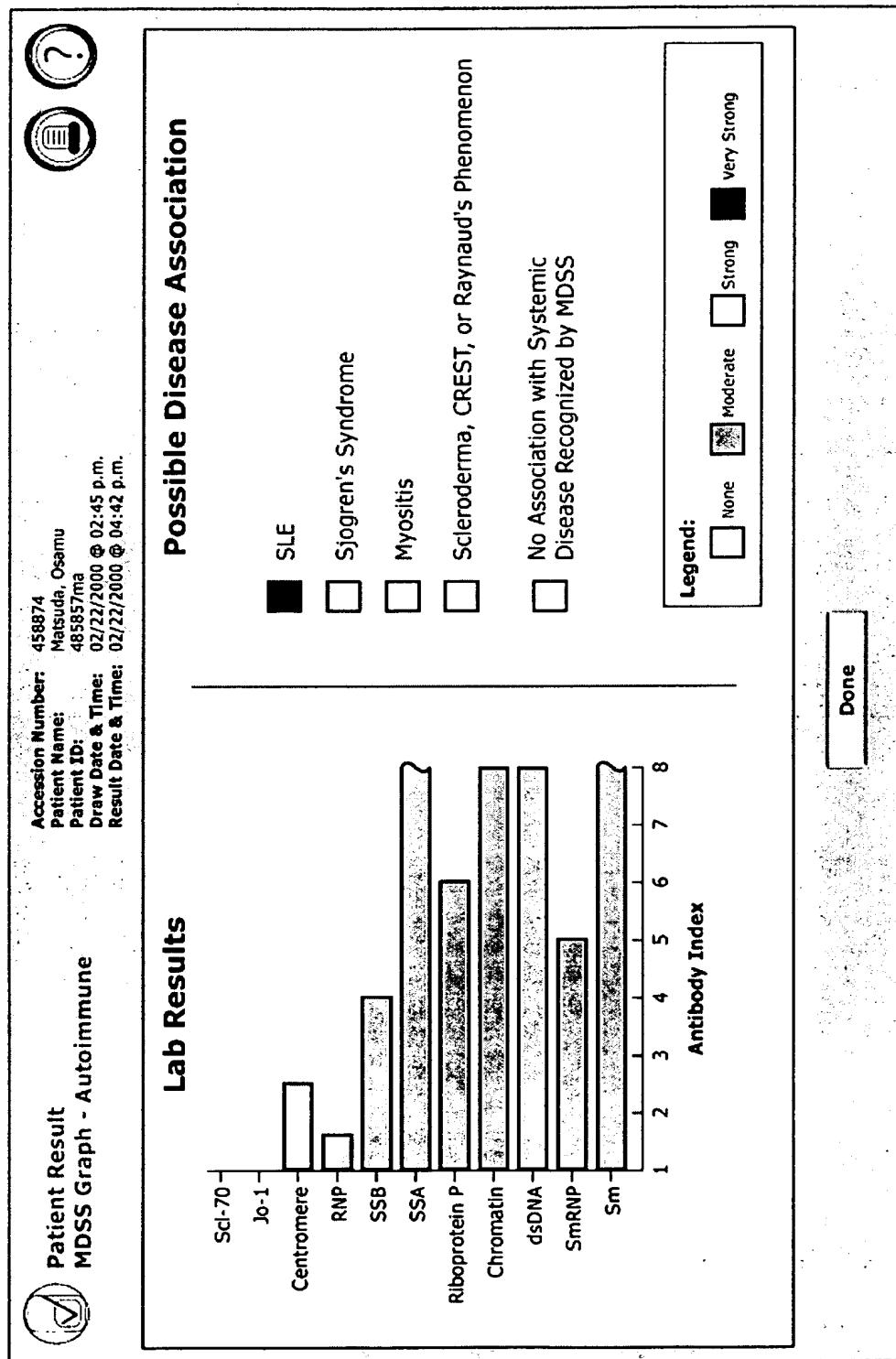


FIG. 5

Sample: SU015	dsDNA	DNP	RibоП	Smith	SmRNP	RNP	Sc170	Jol	SSA	SSB	CentB	Diag.	Sensitivity	Patient ID
Patient:	96.9819	97.4399	97.4399	46.0826	97.4399	4.1252	4.1252	4.1252	7.8912	4.1252				
Row < 99>	68.7849	97.4399	76.0832	97.4399	88.9062	58.9055	4.1252	4.1252	4.1252	4.1252	4.1252	SLE	56.2922%	10128
Row < 565>	100.0000	97.4399	97.4399	17.5493	87.2086	75.3305	4.1252	4.1252	39.6587	4.1252	4.1252	SLE	55.3676%	12727
Row < 177>	100.0000	97.4399	11.3556	54.2218	97.4399	7.8912	25.4405	4.1252	32.1124	7.8912	4.1252	SLE	51.0860%	10224
Row < 135>	65.0992	97.4399	67.8925	97.4399	87.7819	68.7849	4.1252	4.1252	4.1252	4.1252	4.1252	SLE	50.8687%	10171
Row < 526>	100.0000	94.6162	4.1252	14.5631	90.0020	4.1252	4.1252	4.1252	25.4405	4.1252	4.1252	SLE	47.0424%	12111
Row < 35>	85.4418	97.4399	64.1265	11.3556	14.5631	25.4405	32.1124	4.1252	4.1252	4.1252	4.1252	SLE	46.2030%	10045
Row < 567>	39.6587	69.6594	34.1258	46.0826	97.4399	55.4411	4.1252	4.1252	4.1252	4.1252	4.1252	SLE	45.8362%	12729
Row < 136>	78.2660	97.4399	97.4399	78.2660	97.4399	30.0007	97.4399	4.1252	37.8919	4.1252	4.1252	SLE	42.8745%	10172
Row < 493>	50.3433	97.4399	64.1265	20.3426	11.3556	7.8912	4.1252	4.1252	30.0007	4.1252	4.1252	SLE	42.5440%	12065
Row < 566>	93.1321	97.4399	11.3556	72.1813	97.4399	67.8925	4.1252	4.1252	4.1252	4.1252	4.1252	SLE	42.2327%	12728
Row < 529>	50.3433	97.4399	34.1258	86.0388	72.9904	20.3426	4.1252	4.1252	67.8925	4.1252	4.1252	SLE	40.9791%	12114

Algorithm selected: SLE (100.0000%)  
 The expected disease was: SLE

FIG. 6